

# MobileView Tethered Operator Terminal Bridge Connector

Catalog Numbers 2711T-JUMP, 2711T-22JUMP

## Overview

The MobileView™ bridge connector serves to bypass emergency stop (E-stop) contactors so a machine or automation system can operate without a MobileView tethered operator terminal. The MobileView bridge connector is for applications where the customer plans to move one MobileView terminal between many MobileView junction boxes.

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**IMPORTANT** The MobileView bridge connector is not an E-stop device. Therefore, verify that another E-stop is present on the machine or automation system before you use a bridge connector.

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There are two MobileView bridge connectors. A silver, 20-pin bridge connector can be used on all first generation MobileView terminals and the IP20 junction box. A black, 22-pin bridge connector can be used on all second generation MobileView terminals, some first generation MobileView terminals, and both IP65 junction boxes.

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**IMPORTANT** You **can use** a 22-pin bridge connector with first generation MobileView terminals 2711T-F10G1N1 and 2711T-T10G1N1. You **cannot use** a 22-pin bridge connector with first generation MobileView terminals 2711T-B10K1N1, 2711T-B10M1N1, and 2711T-T10R1N1, or an IP20 junction box.

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## General Safety

It is important to follow the instructions in this document in all circumstances. Failure to do so can result in potential sources of danger or the possible override of safety features that are integrated in the MobileView terminal, machine, or automation system.

Besides the safety instructions in this document, you must also use safety precautions and accident prevention measures that are appropriate to the situation.



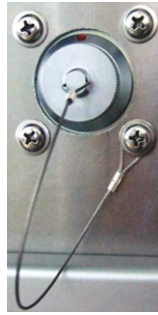
**WARNING:** Personal injury or death can result due to electrical shock, equipment misuse, or unsafe conditions. Consider the following as part of general safety.

- Use the connector exclusively with systems that use power sources with safety extra-low voltage (SELV) or protected extra-low voltage (PELV) circuit protection according to EN61131-2.
  - In situations where faults that occur within the automation system could cause personal injury or significant damage to machinery and equipment, take extra safety measures to confirm that the system remains in an acceptable operating condition.
  - The installation and application of the bridge connector must only be performed by qualified personnel.
  - To prevent short-circuiting or a dangerous situation due to use of an incorrect bridge connector, the qualified personnel who install the bridge connector must also confirm that the connector is installed to the proper pins.
  - When you use a bridge connector, it overrides the E-stop function of a MobileView terminal. Therefore, an additional E-stop function must be present on the automation system.
  - The E-stop on the machine or automation system is triggered whenever a 20-pin bridge connector is removed from an IP20 junction box, or if the 10-second countdown time elapses after a 22-pin bridge connector is removed from an IP65 junction box. Machine damage is possible from abrupt stoppage due to bridge connector removal.
  - In systems where more than one bridge connector is installed, take extra measures to identify where bridge connectors are used.
  - Risk assessment and risk reduction are important precautionary measures for machine safety. For more information, see ISO 12100.
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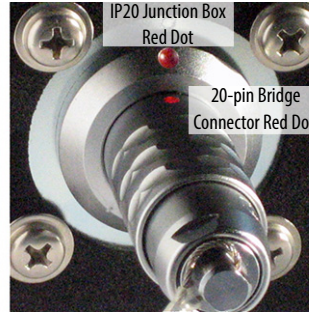
## Install a Bridge Connector

To install a bridge connector, perform the following steps.

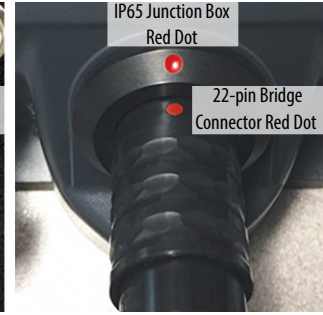
1. If used with an IP20 junction box, first remove the junction box cap from the opening.
2. Use the red dots on the bridge connector and the junction box to align and correctly insert the bridge connector into the junction box opening.
3. Push the bridge connector into the junction box opening until you hear a click, which verifies that the bridge connector is properly connected.



IP20 Junction Box Cap  
Shown Installed



Use the Red Dots to Align and Insert



Use the Red Dots to Align and Insert

**TIP** Use one of the mounting screws on a junction box to attach the tethered cable of a bridge connector.

**IMPORTANT** In applications where a single, second generation MobileView terminal is used with multiple IP65 junction boxes, a black 22-pin bridge connector must be connected to any IP65 junction box without the MobileView terminal connected to it. Otherwise, the E-stop on the machine or automation system is triggered.

## Additional Resources

These documents contain additional information about related products from Rockwell Automation.

Resource	Description
MobileView Tethered Operator Terminal User Manual, publication <a href="#">2711T-UM001</a>	Provides information to install, configure, operate, and troubleshoot the MobileView terminal and IP65 junction boxes.
Industrial Automation Wiring and Grounding Guidelines, publication <a href="#">1770-4.1</a>	Provides general guidelines to install a Rockwell Automation® industrial system.
Product Certifications website, <a href="http://www.rockwellautomation.com/global/certification/overview.page">http://www.rockwellautomation.com/global/certification/overview.page</a>	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://www.rockwellautomation.com/global/literature-library/overview.page>. To order paper copies of technical documentation, contact your local Allen-Bradley® distributor or Rockwell Automation sales representative.

## Installation Assistance

If you experience a problem within the first 24 hours of installation, review the information that is contained in this manual. You can contact Customer Support for initial help to get your product up and running.

United States or Canada	1.440.646.3434
Outside United States or Canada	Use the <a href="#">Worldwide Locator</a> at <a href="http://www.rockwellautomation.com/rockwellautomation/support/overview.page">http://www.rockwellautomation.com/rockwellautomation/support/overview.page</a> , or contact your local Rockwell Automation representative.

Rockwell Automation maintains current product environmental information on its website at <http://www.rockwellautomation.com/rockwellautomation/about-us/sustainability-ethics/product-environmental-compliance.page>.

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